

CCTTTCCATAGAGAACAAAGAACTAAAGAAATTCTGTGACAAATGGACAATATAATTGGCCAGTGTCTCCTCCT
 CATGGTAATCTCATGCCTCTACAATCTACATCCAGTACACTCTCAGGTCAACATCAGAGTAAGGATATGGAGCCTA
 GGATCCCTTCTAAACAACGGAGACGTAATAACCCCTTTATAATGCATAGAATTAAGATTCCATAGGGATAT
 TTAACAGAAAACCACATTACTCTATTACCCCTAGAATAGGTACTTTAAATAGAAGGGTATGTGGGATCTGAGGT
 AGGCAGGGACAAGAACGAGACACATCTGAAAAATAGTTATTGTTGAAAATTTAGGTACTGACAAGATGGAAGTC
 AACATTCAATGCCTCTGAATGGATCAGAAGTTGTGTTATGATTCTACCACCTCAAGTGTCTATGGATCCTCT
 CATTAGGGTCTCTTATAACCTTGTCTCGGTGTTAGGTAAATGGCTGTGATTGGGTGGCTGGTTCCA
 GATGGCACACACTGTGACCACTGTCTCTTATCTGAACCTGGCTTGAGTGATTATCTTACATGGTTACTCTACCA
 CTTCACATCATCTCAATGGTCATGAGAGGAAAATGGCTTTGGTTGGTTCTTGCAAATTAGTTACATAATTG
 CAAACATAAACCTTTGTAAGTATCTCCTAATCACTCTTATTGCCATGGATCGCTGTATTGTGTCCTGTGCC
 AGTATGGTCTCAGAACATACCGAACACTGTGAGTCTGGCAGAAAAGTGGTCTGGAGCTGGATATTGCTCTGCTG
 CTTACCTGCCACATTCTCTTGACTACAGTGAGAGATGCAAGAGGGATGTGACTGTATATCTAAATTG
 AATCCTGGTTGCAACCTCTGAAGAGCAGTTAAAGATGTCTGTATTGCTGCCACAGCTTCAGGAATCATCAATT
 CATTATTGGATTTCAGCATGCCATGTCTTACGTGTCCTCACTGCTGTAGCGATTCCCTTGTCTGGTTCCCTT
 TTCAATTAAATTATGCTTTAGGCAACATCTTAACAATGAGACACTGAGCATTATTACATATGTTGGTAACCCAGC
 AAATACCTGGCTTCTTAACAGCTGCCCAACCCAAACTCTATGTATTCCCTGGTCAGGAATTCAAGAGACAGA
 CTAATCTATTCTCTGTATGCCAGTCTAGAGAGGGCCCTGAGGGAAAGACTAGTCCTGATGGAAAATTCACTGCTGA
 GCACTGACACAGACAGCAACTGTCTTACGAACACTGCAGACTCTGAGCTATAGGAAATGGCAGGAGTAAGGCCAAT
 GGGATTTTTTCCCTACCCCTAGTCTTAATTCTGTCTTATCCTATCTGCATGAAATTCTGAGTATAACTATA
 GAATCTCTGATTCTGATTGGAAGACAGAAGT (SEQ ID NO:1)

MEVNISMPLNGSEVFYDSTTSSVLWILSLVVLFITFVLGVLGNGLVIWVAGFQMAHTVTTVSYLNLA
 LSDLSEFMV
 TLPLHIISMVMRGKWLFGWFLCKLVHIIANINLFVSIFLITLIAMDRCICVLCPVWSQNHRTVSLARKVVLGA
 WIF
 ALLLTLPHFLFLTTVRDARGDVYCISKFESWVATSEEQLKMSVIAATASGIINFIIGFSMPMSFIAICYGLMA
 KI
 CRRGFVNSSRPLRVLAVAISFFVCWFPFQLIMLLGNIFNNETLSIIHMLVNPANTLASFNSCLNPILYVFLQEF
 RDRLIYSLYASLERALRED (SEQ ID NO:2)

FIGURE 1

underlined = deleted in targeting construct

bold = sequence flanking Neo insert in targeting construct

CCTTTCCATAGAGAACAAAGAACTAAAGAAATTCTGTGACAAATGGACAATATAATTGGC
 CCAGTGTCTCCTCTCATGGTAATCTCATGCCTCTACAATCTACATCCAGTACACTCTC
 AGGTCAACATCAGAGTAAGGATATGGAGCCTAGGATCCCTCTTAAACAATGGAGACGT
 AATAACCTCTTATTAAATGCAAGATAAAGATTCCATAGGGATATTAAACAGAAAAC
 CACATTIACTCTATTACCCCTAGAATAGGTACTTTAAATAGAAGGTGATGTGGGATCTG
 AGGTAGGCAGGACAAGAAATGGAGACACATCTGAAAAAATAGTTATTGTTGAAAATTCTAG
 GTACTGACAAGATGGAAGTCACATTCATGCCTCTGAATGGATCAGAAGTTGTGTTTT
 ATGATTCTACCAACCTCAAGTGTCTATGGCATCCTCTCATTAGTGGTTCTCTTATAACCT
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ACACTGTGACCACTGTCTCTTATCTGAACCTGGCTTGAGTGAATTATCTTCATGGTTA
CTCTACCACTTCACATCATCTCAATGGTCATGGAGAGGAAAATGGCTTTGGTTGGTTTC
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GAACGTGAGTCTGCCAGAAAAGTGGTCTTGGAGCTGGATATTGCTCTGCTGCTTA
CCTTGCCACATTTCTCTCTGACTACAGTGAGAGATGCAAGAGGGGATGTACTGTA
TATCTAAATTGAACTCTGGGTTGCAACCTCTGAAGAGCAGTTAAAGATGTCTGTTATTG
CTGCCACAGCTTCAGGAATCATCAATTTCATTATTGGATTCAAGCATGCCATGTCTTCA
TTGCTATCTGCTATGGACTCATGGCTGCCAAGATCTGCAGAAGAGGTTTGTGAATTCCA
GTCGTCCTTACGTGTCCTCACTGCTGTAGCGATTCCCTCTTGTCTGTGGTTCCCTT
TTCAATTAAATTATGCTTTAGGCAACATCTTAACAATGAGACACTGAGCATTATTCTATA
TGTTGGTTAACCCAGCAAATACCTGGCTCCTTAACAGCTGCCCAACCCAAACTCT
ATGTATTCTGGGTCAAGGAAATTCAAGAGACAGACTAATCTATTCTCTGTATGCCAGTCTAG
AGAGGGCCCTGAGGGAAGACTAGTCCTGATGGAAAATTCACTGAGCAGTACACAG
ACAGCAACTTGTCTCATGAACCTGAGACTCTGAGCTATAGGAAATGGCAGGAGTAAGGC
CAATGGGATTTTTTTCCCTACCCCTAGTCATTAAATTCTGTCTATCCTATCTGCATGA
AATTCTGAGTATAACTATAGAATCTCTGTATTGAAAGACAGAAGT

FIGURE 2A

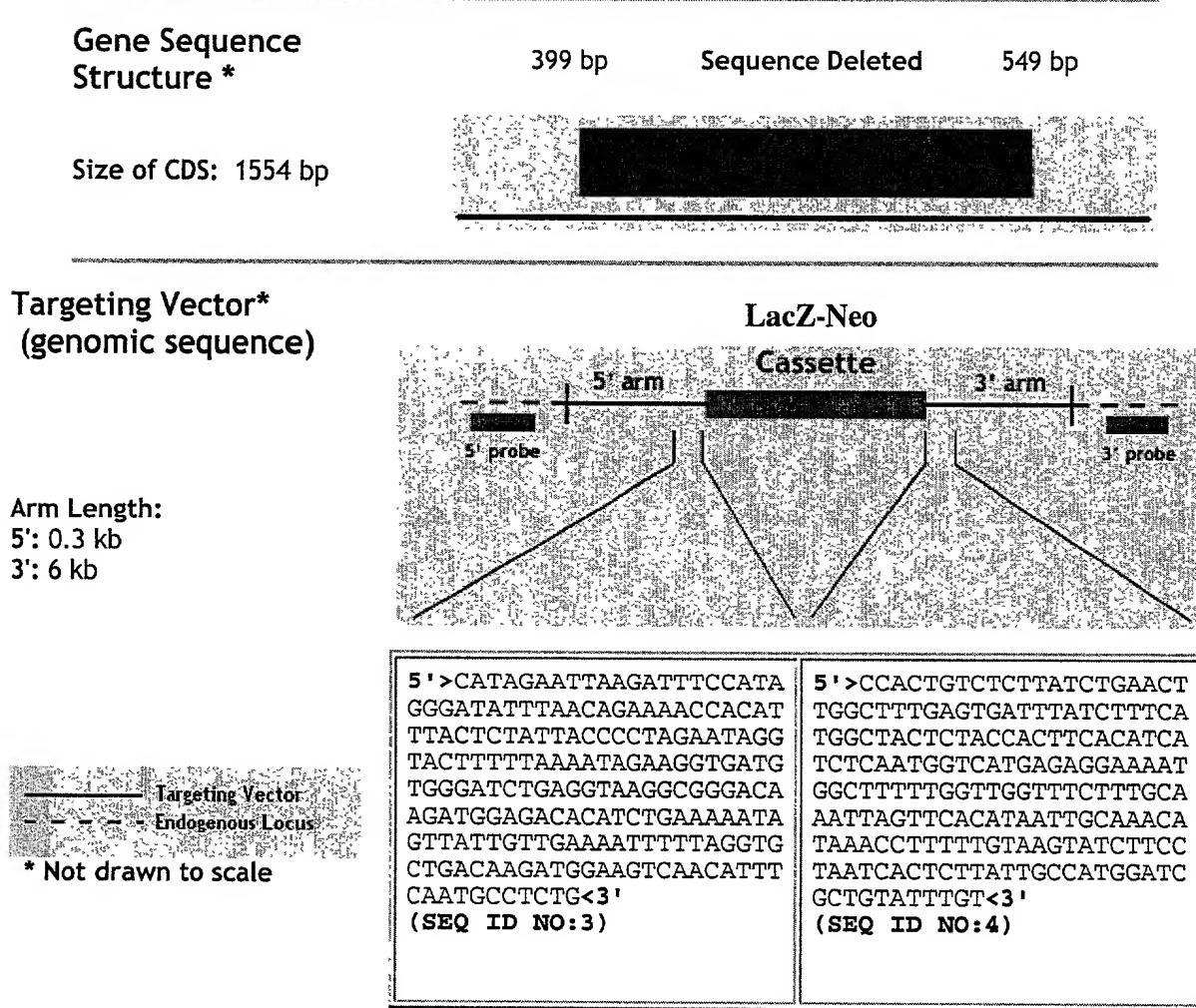


FIGURE 2B

Open Field Summary Data - Percent in Central

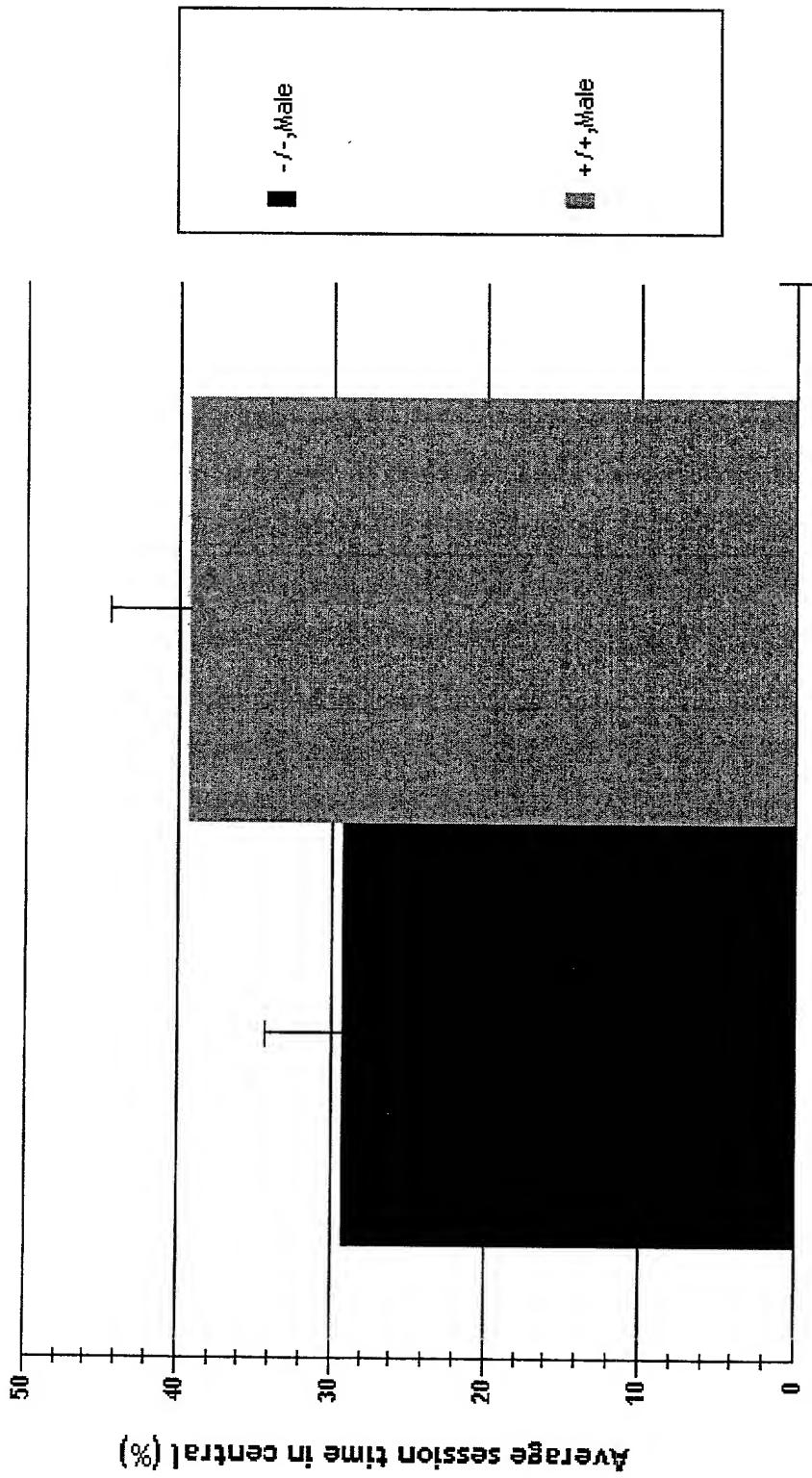


FIGURE 3

Rotarod

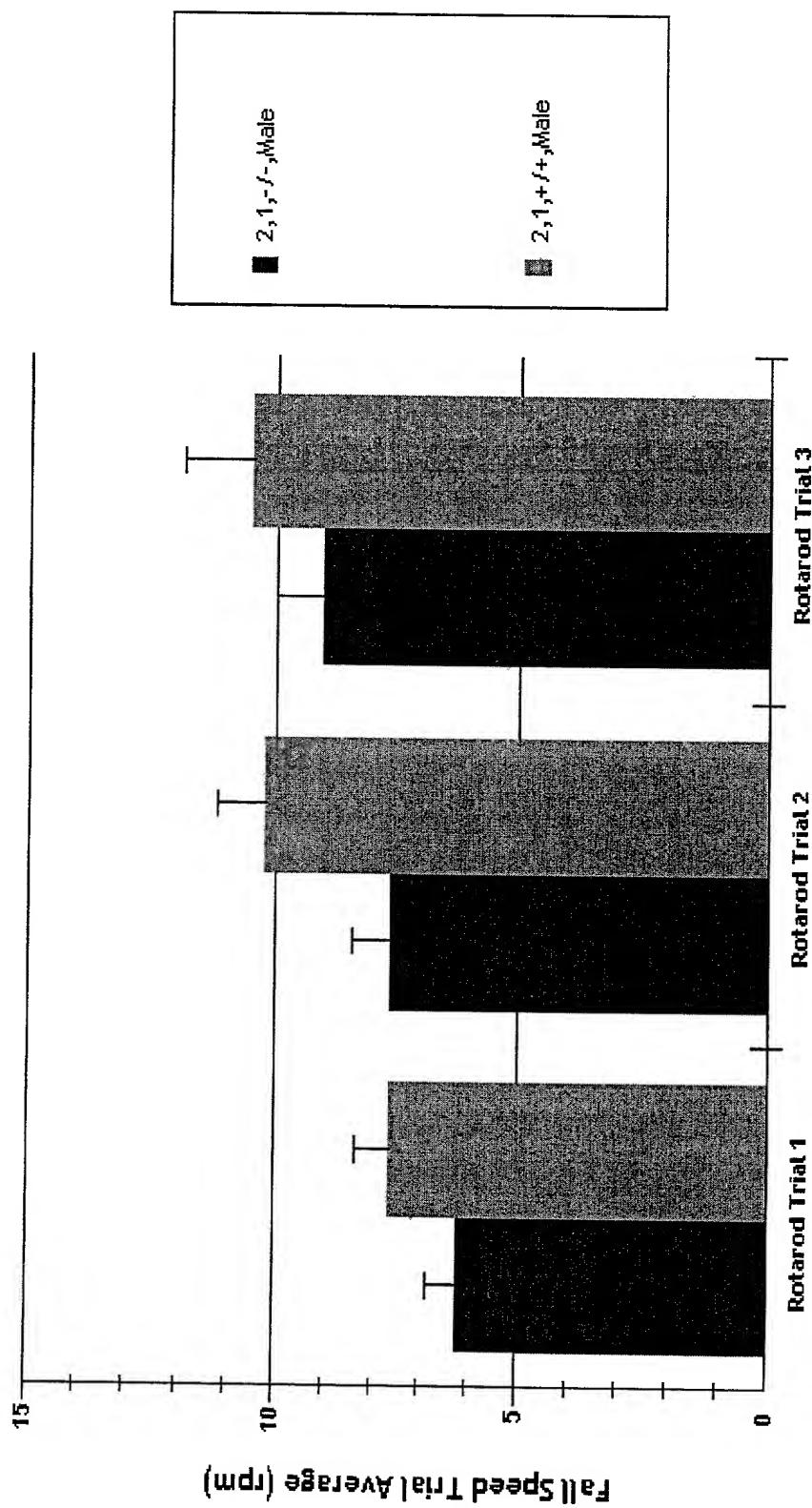


FIGURE 4

6/6

Metrazol

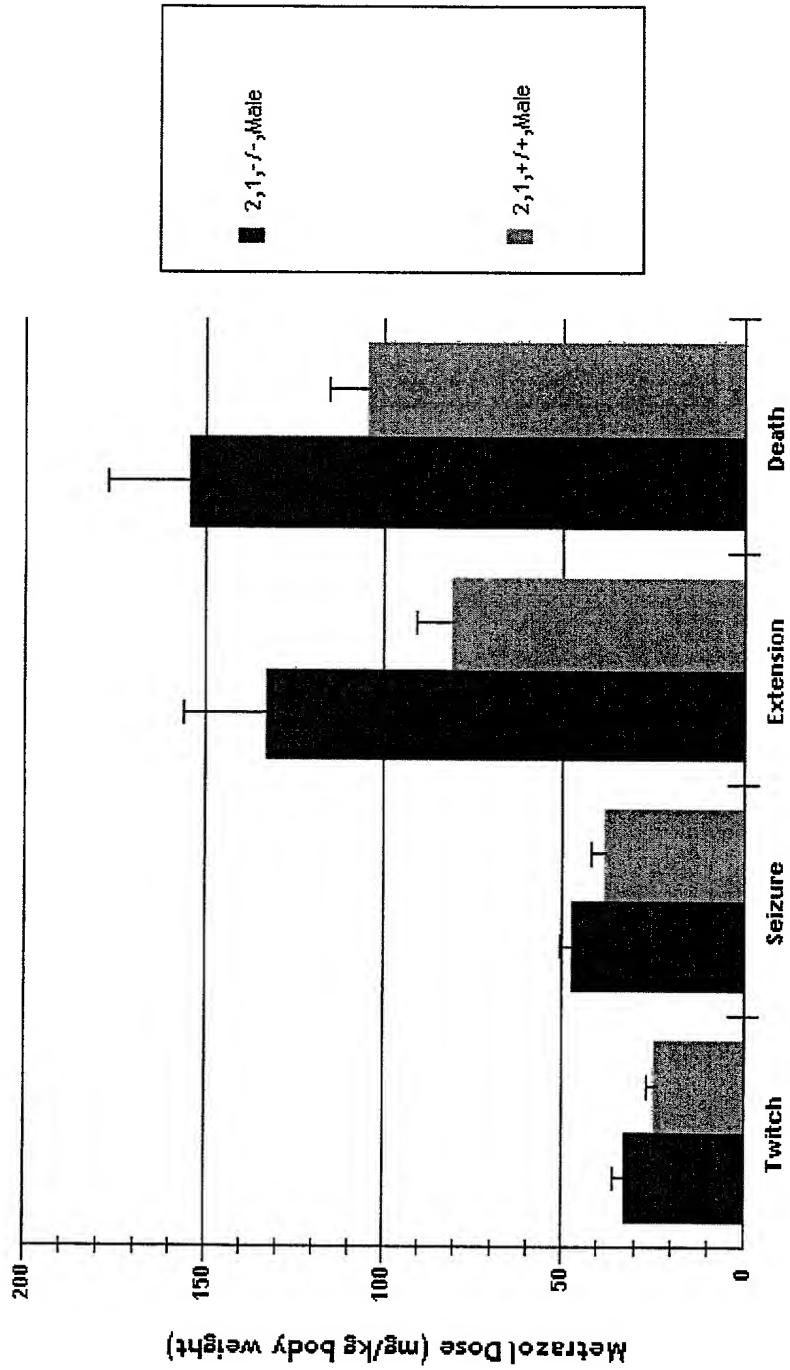


FIGURE 5